

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-082-14
NAUGATUCK QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

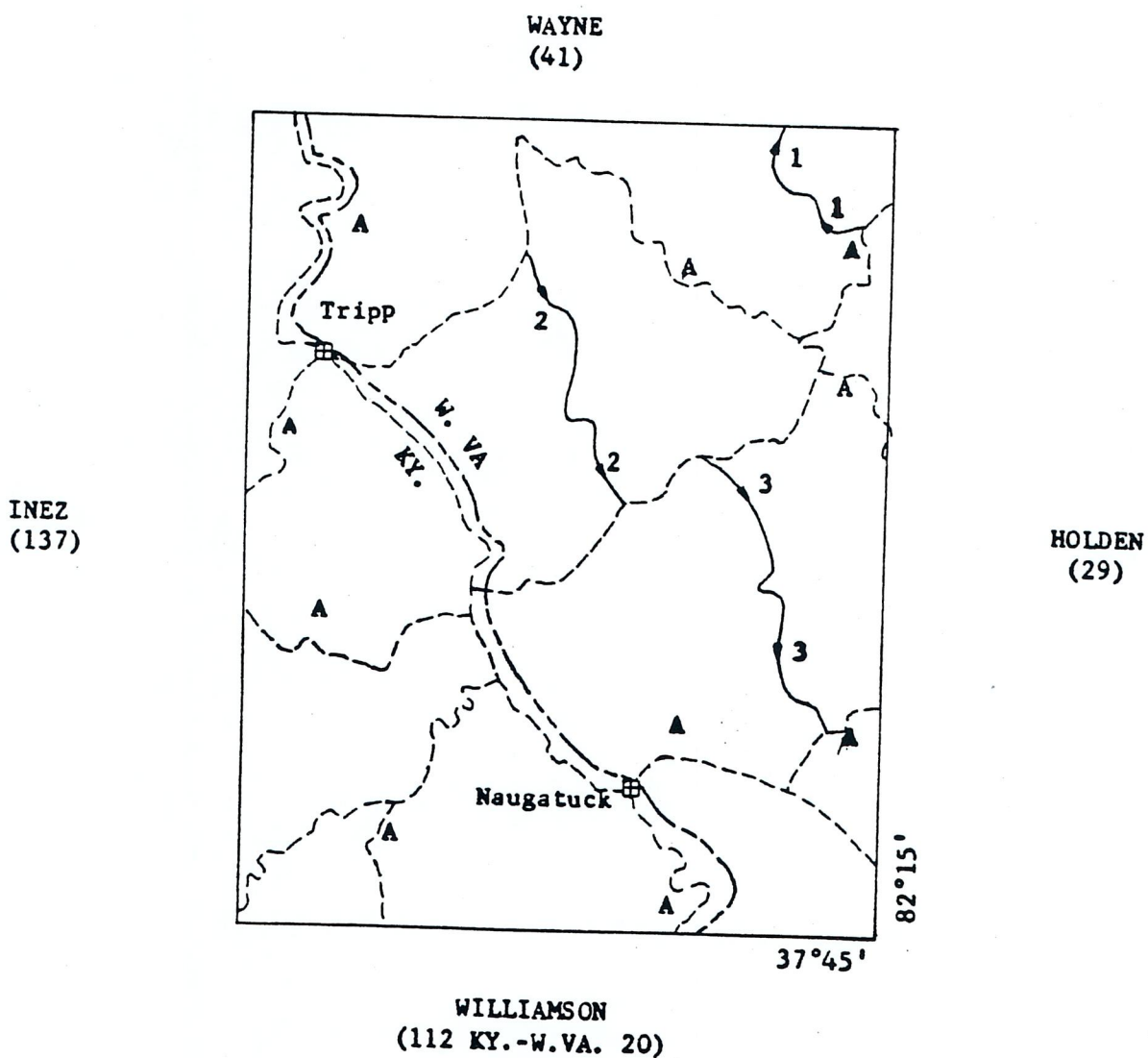
30 W.VA.-136 KY.
N3745-W8215/15
DIAGRAM NJ 17-7
JENKINS

Lawrence and Martin Counties, Kentucky; Lincoln,
Mingo, Wayne Counties, West Virginia

Final adjustment of 1973

Edition of 6/21/77

PR: WSM/sws



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370821

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649 KY	4	<u>NGS</u>	
672	3	U 148 1957	5
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ISOLATED BENCH MARKS (By S. R. Archer, 1914; Book A9587)

Feet

Nolan, 2.3 mi NW. of; 130 ft NW. of rd. crossing; 100 ft W. of milepost 480; 70 ft N. of deserted house; in 15- by 108- by 10-ft. sandstone boulder; standard tablet stamped "645" (Reported not found, 1953)	644.657
Naugatuck; at E. end of siding; 25 ft S. of RR.; 100 ft W. of old rd. crossing; in sandstone culvert; standard tablet stamped "638" (Not found, 1963)	637.427
Naugatuck, 1.9 mi NW. of; 200 ft N. of RR. crossing; 75 ft W. of wagon rd.; in sandstone rock; standard tablet stamped "639" (Reported not found, 1953)	638.368
Kermit; 600 ft E. of station; on W. side of sandstone culvert; in third tier of stone below top; standard tablet stamped "623" (Reported not found, 1953)	622.500
Kermit; 2.5 mi NW. of; 100 ft N. of RR.; 300 ft NE. of RR. crossing; 50 ft N. of wagon rd.; 5 ft S. of gate; in sandstone rock; standard tablet stamped "621" (Reported no found, 1953)	620.365
Crum, 0.3 mi E. of; 50 ft N. of RR.; on S. side of county rd.; 100 ft NW. of milepost "Naug. 11"; in sandstone boulder; standard tablet stamped "619" (Not found, 1953)	618.742
Jennie; 10 ft S. of NW. entrance to RR. tunnel; 150 ft E. of rd. crossing; in concrete post; standard tablet stamped "615" (Reported no found, 1953)	614.366
Millet, 1.6 mi NW. of; in E. end of N. abutment of RR. bridge 756 over Camp Creek; standard tablet stamped "603" (Reported not found, 1953)	602.040
Blocton, 2.4 mi E. of; 0.22 mi W. of Eugene Post Office; 35 ft S. of rd. crossing; in sandstone rock; standard tablet stamped "634"	633.780
Lenore, 3.0 mi N. of; in E. bridge seat of N. abutment of RR. bridge 941; standard tablet stamped "672"	671.946
Breeden, 800 ft E. of; in top of S. end of E. abutment of RR. bridge 956; standard tablet stamped "818" (Not found, 1960)	818.278
Wilsondale, 1.8 mi SE. of; 8 ft N. of RR.; 740 ft W. of Mingo-Wayne County line; in sandstone ledge; standard tablet stamped "781" (Not found, 1960)	780.879
Doane, 3.0 mi SE. of; in top of W. bridge seat of S. abutment of RR. bridge 967 over Gourd Branch; standard tablet stamped "746" (Not found, 1960)	745.801
Webb, 1.8 mi NW. of; 105 ft N. of milepost "Naug. 20," on N. side of wagon rd.; on E. side of Coon Hollow; in sandstone rock; standard tablet stamped "594" (Reported destroyed, 1953)	593.925

ISOLATED BENCH MARKS (Cont'd.)Feet

Doane, 0.4 mi E. of; 10 ft N. of RR. track; in sandstone rock; standard tablet stamped "722"	722.275
Preston, 0.6 mi E. of; 800 ft E. of Wells Branch station; in NW. abutment of bridge 975 over mouth of Missouri Branch; standard tablet stamped "704"	704.565
Pilgrim Post Office, 400 ft S. of; 250 ft E. of mouth of Emely Creek; in top of W. end of S. stone abutment of wooden hwy. bridge over Wolf Creek; standard tablet stamped "617 KY"	617.242
Pilgrim, 2.2 mi SW. of post office, along graveled rd.; at mouth of Pigeonroost Fork; 285 ft S. of junction of rd. S.; in E. end of N. concrete wall of approach of steel hwy. bridge over Wolf Creek; standard tablet stamped "629 KY"	629.389
McClure Post Office, 1.36 mi SW. of; 200 ft E. of bend in Wolf Creek S.; 400 ft E. of mouth of Laurel Lick Branch N.; at N. bank of Wolf Creek; on S. side of rd.; in top of large sandstone rock; standard tablet stamped "649 KY" (Reported not found, 1954)	649.101

LINE 1.

By R. H. Paine, 1959; Book AV 686

6 38 0.00	"C 161 1957" (NGS)	788.729
6 41 1.78	Breeden, 3.7 mi N. of, thence 1.8 mi NW.; 1.1 mi SE. of Mt. Sinai School; 25 ft NE. of rd.; 75 ft NE. of East Fork Twelvepole Creek; 50 ft NW. of drain; set vertically in S. face of large embedded boulder; standard tablet stamped "57 RHP 1959 775"	775.723
6 41 1.78	Reference mark; 60 ft W. of tablet; in base on N. side of 28-in. beech tree; rail spike	770.66
6 43 2.56	U.E., on S. edge of rd. at drain crossing; on rock; chiseled square	775.56
6 44 3.20	McComas, 3.2 mi S. of; 0.5 mi NW. of Mt. Sinai School; at Y-rd. fork; 16 ft N. of rd.; 6 ft E. of drain; in top of boulder; standard tablet stamped "58 RHP 1959 757"	757.487
6 44 3.20	Reference mark; 80 ft SW. of tablet; in base on N. side of 20-in. beech tree; rail spike	754.93

LINE 1 (Cont'd.)Feet

6	46	4.21	U.E., 240 ft E. of Y-rd. fork; on boulder; chiseled square	751.52
6	48	5.13	McComas, 1.2 mi S. of; 40 ft W. of graded rd.; 25 ft N. of N. end of cleared field; 34 ft NW. of W. end of corrugated metal culvert; set vertically in E. face of large embedded boulder; standard tablet stamped "59 RHP 1959 751"	750.854
6	48	5.13	Reference mark; 25 ft SE. of tablet; on top of small embedded boulder; chiseled square	742.27

LINE 2.

By R. H. Paine, 1959; Book AV 806

6	2	0.00	"U 148 1957" (NGS)	730.461
6	5	1.45	Dunlow, 6.0 mi S. of, along U. S. Highway 52, thence 1.2 mi SE.; 42 ft W. of, and 8 ft higher than centerline of rd.; 37 ft W. of Moses Creek; at mouth of small hollow; set vertically in S. face of 11- by 20-ft boulder; standard tablet stamped "112 RHP 1959 782"	781.783
6	5	1.45	Reference mark; 32 ft E. of tablet; on W. edge of creek and rd.; on boulder; chiseled square	776.66
6	10	3.20	Dunlow, 6.0 mi S. of, along U. S. Highway 52, thence 3.0 mi SE.; 1.4 mi N., thence 1.2 mi N. of Walnut Grove School; 90 ft N. of Moses Creek; 80 ft NW. of, and 9 ft higher than centerline of rd. at trail crossing; 5 ft NE. of trail; 11 ft higher than centerline of trail at creek; 13 ft N. of 32-in. beech tree; in rock outcrop; standard tablet stamped "113 RHP 1959 876"	875.488
6	10	3.20	Reference mark; 54 ft E. of tablet; in base on NW. side of 28-in. beech tree; rail spike	876.08
6	15	4.43	Walnut Grove School, 1.4 mi N. of; 28 ft S. of, and 2 ft higher than centerline of intersection of rd. and jeep trail N.; 70 ft SE. of, and 5 ft higher than crossing of trail and Old Fork Creek; 15 ft SE. of rd.; 4 ft N. of 10-in. walnut tree; in concrete post; standard tablet stamped "114 RHP 1959 748"	747.550

LINE 2 (Cont'd.)Feet

6	18	5.93	Walnut Grove School, 500 ft S. of; 150 ft N. of, and 4 ft higher than centerline of junction of T-rd. fork; 20 ft E. of rd.; 2 ft SE. of gas pipeline; set vertically in W. face of rock cut; standard tablet stamped "115 RHP 1959 643"	643.343
6	19	5.96	Reference mark; 140 ft SW. of tablet; in top of E. end of N. headwall of concrete culvert; head of rail spike set in cement	636.96
6	23	7.85	Walnut Grove School, 2.0 mi SE. of; 0.2 mi S. of Mingo-Wayne County line; 25 ft NE. of, and 4 ft higher than centerline of graded rd.; 28 ft NW. gas pipeline; set vertically in SW. face of large rock cut; standard tablet stamped "116 RHP 1959 693"	692.595
6	23	7.85	Reference mark; 125 ft NW. of tablet; opposite house; on ledge of rock at cut; chiseled square	689.73
6	26	9.18	U.E., 30 ft SW. of, and 0.5 ft lower than centerline of junction of T-rd. fork; on W. end of N. stone abutment of bridge; chiseled square	736.63
6	27	9.95	"V 158 1957" (NGS)	770.681

LINE 3.

By R. H. Paine, 1959; Book AV 806

6	29	0.00	"X 158 1957" (NGS)	943.181
6	29	0.17	U.E., 70 ft SE. of, and 2 ft higher than centerline of junction of Y-rd. fork; on S. end of W. stone abutment of bridge; chiseled square	877.63
6	32	1.29	Selwyn, 5.4 mi NE. of, thence 1.1 mi SE.; at saddle between Jennie Creek and Messer Branch; 34 ft SW. of, and 2 ft higher than junction of jeep rd. and foot path in saddle; 7 ft N. of two 10-in sassafras trees; in concrete post; standard tablet stamped "117 RHP 1959 1308"	1308.025
6	33	1.36	Reference mark; 300 ft NE. of tablet; 3 ft SW. of foot trail, in top of embedded RR. rail	1259.03

LINE 3 (Cont'd.)Feet

6	38	2.89	Selwyn, 6.5 mi E. of, along Marrowbone Creek; at mouth of Messer Branch; 120 ft E. of, and 3 ft higher than centerline of junction of Y-rd. fork; 18 ft N. of rd.; set vertically in SW. face of large embedded boulder; standard tablet stamped "118 RHP 1959 786"	786.030
6	38	2.89	Reference mark; 58 ft S. of tablet; in base on N. side of 18-in. sycamore tree; rail spike	783.54
6	41	4.66	Selwyn, 6.0 mi E. of; 0.7 mi E. of mouth of Big Laurel Branch; 90 ft NW. of, and 0.3 ft lower than centerline of junction of Y-rd. fork; 18 ft NE. of rd.; in top of embedded boulder; standard tablet stamped "119 RHP 1959 822"	821.612
6	41	4.66	Reference mark; 138 ft SE. of tablet; 50 ft E. of Y-rd. fork; on embedded boulder; chiseled square	825.72
6	48	6.67	Lenore, 1.9 mi NE. of, thence 2.3 mi NW.; 0.7 mi E. and 2.0 mi S. of mouth of Big Laurel Branch; 260 ft N. of, and 30 ft lower than centerline of crossroads at saddle; 320 ft S. of, and 14 ft higher than centerline of rd. crossing and small pipeline; 20 ft E. of rd.; in top of NE. corner of 18- by 25-ft boulder; standard tablet stamped "120 RHP 1959 1324"	1324.202
6	49	6.91	Reference mark; at crossroads at saddle; on ledge rock in rd.; chiseled square	1372.65
6	52	7.94	U.E., 15 ft NW. of, and 0.6 ft lower than centerline of junction of Y-rd. fork; on rock; chiseled square	720.33
6	54	8.99	"R 150 1957" (NGS)	660.045

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
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37-082-14
NAUGATUCK QUADRANGLE
30 W.VA.-136 KY.
N3745-W8215/15
DIAGRAM NJ 17-7
JENKINS

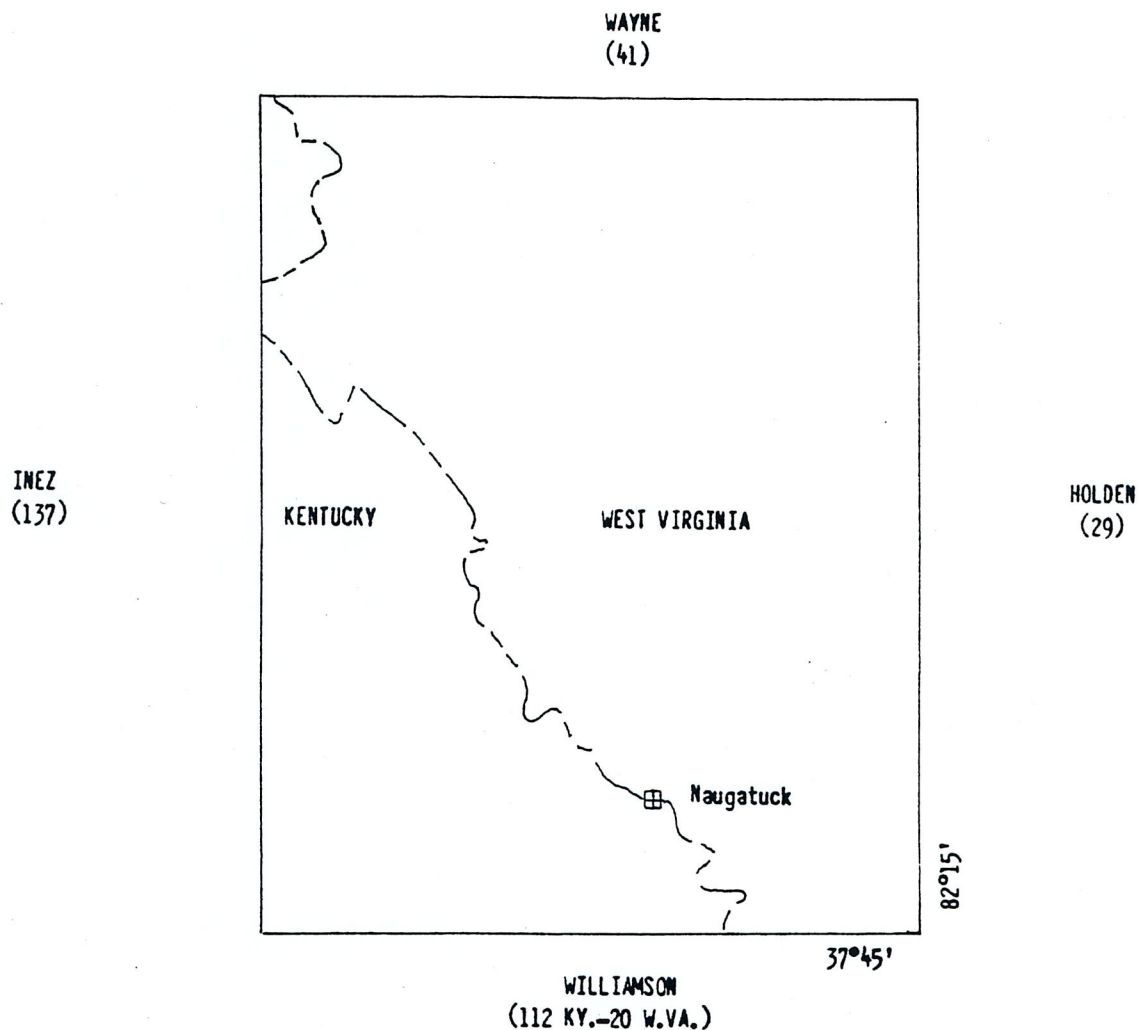
Lincoln, Mingo, and Wayne Counties, W.Va.;
Lawrence and Martin Counties, Ky.

Edition of 1/25/77

PR: CRV/rmm

Plane coordinates are based on Lambert projection,
West Virginia, South Zone, and Kentucky, South
and North Zones

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

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TT 44 TWC 1951
TT 45 TWC 1951
TT 60 TWC 1951
TT 61 TWC 1951
TT 62 TWC 1951
TT 63 TWC 1951
TT 64 TWC 1951
TT 65 TWC 1951
TT 66 TWC 1951 629.001
TT 67 TWC 1951

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USED

T 8 A
T 23 A 1942
T 24 A 1942

3
6
6

NGS

L 46 1935 633.188
M 46 1935 632.486
Q 46 1935
R 46 1935
S 46 1935

5
5
5
5
6

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By T. W. Cayce, 1951-52; Book AH 270

Webb, 1.7 mi NE. of station, along Norfolk and Western Railway; 30 ft NE. of signal booster box; 16 ft E. of E. rail; 9 ft SE. of milepost NA-20; in concrete post; standard tablet stamped "TI 35 TWC 1951"
(Reported destroyed, 1960)

Ky. S.)	X = 2,947,215	Y = 616,762	37 58 55.32	82 27 47.44
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Webb, 0.2 mi S. of station, along River Road; 252 ft NW. of milepost NA-18; 101 ft S. of telephone pole; 63 ft W. of rail; 44 ft NW. of telephone pole; in concrete post; USED standard disk stamped "T 8 A" (Not found, 1962)

	X = 2,941,644	Y = 610,149	37 57 51.90	82 28 59.83
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Tripp, 1.4 mi N. of station, along N. & W. Ry.; at rd. crossing between tunnels No. 6 and No. 7; 530 ft NE. of milepost NA 15; 120 ft W. of rd. crossing; 28 ft NW. of near rail of westbound track; in concrete post; standard tablet stamped "TI 36 TWC 1951"

	X = 2,939,837	Y = 599,421	37 56 06.54	82 29 27.00
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Inez, 0.6 mi E. of post office, along State Highway 40, thence 5.2 mi NE. along Turkey Creek Road; 150 ft NW. of Mouth of Turkey Creek School; 68 ft N. and 75 ft E. of junction of Y-rd.; 3 ft W. of NW. corner of schoolyard; in concrete post; standard tablet stamped "TI 37 TWC 1951 602.105" (Reported destroyed, 1962)

	X = 2,941,336	Y = 592,074	37 54 53.42	82 29 11.48
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Inez, 0.6 mi E. of post office, along State Highway 40, thence 3.6 mi NE. along Turkey Creek Road; 75 ft NW. of NW. corner of Head of Turkey Creek School; 55 ft SW. of centerline of rd. at large concrete culvert; 30 ft S. of intersection of drive to school; in concrete post; standard tablet stamped "TI 38 TWC 1951 649.339"

	X = 2,938,730	Y = 583,255	37 53 27.17	82 29 47.76
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Inez, 3.9 mi SE. of post office, along State Highway 40; 27 ft NE. of centerline of hwy.; 29 ft E. of junction of driveway N.; 12 ft SE. of SW. corner of school bus waiting station; in concrete post; standard tablet stamped "TI 41 TWC 1951 690.018"

	X = 2,941,267	Y = 563,284	37 50 08.94	82 29 24.70
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Inez, 5.0 mi SE. of post office, along State Highway 40, thence 0.7 mi SE.; at mouth of Hog Pen Hollow; 11 ft E. of centerline of rd.; 110 ft S. of SW. corner of porch at residence of John H. McCoy; 14 ft S. of E. abutment of small stone culvert; in concrete post; standard tablet stamped "TI 42 TWC 1951"

	X = 2,947,526	Y = 558,488	37 49 19.46	82 28 08.84
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Inez, 5.0 mi SE. of post office, along State Highway 40, thence 2.7 mi SE.; 24 ft S. and 12 ft E. of centerline of rd. at drain E.; 11 ft SE. of centerline of rd.; 130 ft S. of SW. corner of porch of residence of Abe Priest; in concrete post; standard tablet stamped "TI 43 TWC 1951"

Ky. S.)	X = 2,947,802 Y = 550,084	37 47 56.33	82 28 09.03
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Pilgrim, 2.1 mi SW. of post office, along graveled rd.; at store of Lucian B. Gauze; in NE. corner of concrete porch of store; standard tablet stamped "TI 44 TWC 1951"

	X = 2,955,013 Y = 545,049	37 47 04.09	82 26 41.44
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Pilgrim, 2.2 mi SW. of post office, along graveled rd.; at mouth of Pigeonroost Fork; 285 ft S. of junction of rd. S.; in E. end of N. concrete wall of approach of steel hwy. bridge over Wolf Creek; standard tablet stamped "629 KY"

	X = 2,955,168 Y = 544,831	37 47 01.89	82 26 39.60
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Pilgrim, 2.1 mi SW. of post office, along graveled rd., thence 1.3 mi S. along graveled rd., thence 0.5 mi SW. along Petercove Road; 21 ft N. of centerline of rd.; 77 ft NW. of NW. corner of log barn; 45 ft S. of center of creek; in concrete post; standard tablet stamped "TI 45 TWC 1951"

	X = 2,952,805 Y = 537,580	37 45 51.06	82 27 12.17
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Tripp, 0.2 mi SE. of station, along N. & W. Ry.; at SE. end of tunnel No. 5 of eastbound track; 3 ft SW. of near rail; in SW. end of concrete retaining wall for tracks; standard tablet stamped "TI 60 TWC 1951"

	X = 2,943,391 Y = 596,007	37 55 31.57	82 28 44.14
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Crum, 1.0 mi NW. of station, along N. & W. Ry.; at sharp curve in hwy.; 31 ft SW. of centerline of eastbound track; 7 ft N. of telephone pole; in concrete post; standard tablet stamped "TI 61 TWC 1951" (Not found, 1962)

	X = 2,950,107 Y = 590,457	37 54 34.43	82 27 22.80
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Crum, 1.2 mi SE. of station, along N. & W. Ry.; 127 ft W. of milepost NA 10; in NW. corner of concrete base of semaphore No. 42-L; standard tablet stamped "TI 62 TWC 1951"

	X = 2,957,935 Y = 583,571	37 53 23.69	82 25 48.20
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Kermit, 2.9 mi NW. of station, along N. & W. Ry.; 48 ft E. of semaphore No. 34-R; 12 ft N. of N. rail of westbound track; 2 ft N. of milepost NA 8; in concrete post; standard tablet stamped "TI 63 TWC 1951"

	X = 2,963,714 Y = 576,426	37 52 11.08	82 24 39.31
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Kermit, 1.6 mi NW. of station, along N. & W. Ry.; 150 ft S. of S. entrance to tunnel No. 3; in S. headwall of open culvert along W. side of tracks; standard tablet stamped "TI 64 IWC 1951" (Reported destroyed, 1960)

Ky. S.)	X = 2,963,032	Y = 571,589	37 51 23.53	82 24 49.94
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Kermit; 200 ft S. of SE. corner of N. & W. Ry. station; 38 ft E. of E. rail; set vertically in W. face of stone retaining wall at rear of Muncy Cash Store; NGS standard disk stamped "L 46 1935 633.188"

	X = 2,965,084	Y = 564,894	37 50 16.66	82 24 27.32
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Lovely, 1.0 mi SW. of post office, along State Highway 40; at Buck Branch Coal Company; 20 ft S. and 32 ft E. of centerline of rd. across river at junction of Highway 40; 23 ft S. of school bus station; in concrete post; standard tablet stamped "TI 65 IWC 1951"

	X = 2,963,232	Y = 558,401	37 49 13.16	82 24 53.25
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Lovely, 3.6 mi SW. of post office, along State Highway 40; at Mouth of Emily School; in SW. corner of schoolyard; 105 ft S. of front entrance to school; 80 ft N. of junction of Y-rd.; 21 ft NE. of centerline of rd.; in concrete post; standard tablet stamped "TI 66 IWC 1951 629.001"

	X = 2,961,809	Y = 550,416	37 47 54.76	82 25 14.49
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Kermit, 1.9 mi SE. of station, along N. & W. Ry.; 0.3 mi NW. of milepost NA 3; at SE. end of tunnel No. 1; 6 ft SW. of SW. rail; set vertically in SE. face of portal; NGS standard disk stamped "M 46 1935 632.486"

	X = 2,971,007	Y = 558,218	37 49 08.63	82 23 16.50
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Naugatuck, 2.0 mi NW. of station, along N. & W. Ry.; 83 ft N. of Ry. signal box; 16 ft E. of near rail of westbound track; 2 ft E. of milepost NA 2; in concrete post; standard tablet stamped "TI 67 IWC 1951"

	X = 2,974,629	Y = 552,724	37 48 13.07	82 22 33.84
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Naugatuck, 0.3 mi NW. of station, along N. & W. Ry.; at junction of spur track E. to Lenore; at water tank; in S. corner of concrete base of S. pedestal; NGS standard disk stamped "Q 46 1935"

	X = 2,982,625	Y = 548,721	37 47 30.69	82 20 56.07
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Naugatuck, 0.2 mi W. of station, along N. & W. Ry.; at SE. end of bridge 934 over Pigeon Creek; at top of slope of wing; in SE. backwall; NGS standard disk stamped "R 46 1935"

	X = 2,982,516	Y = 548,047	37 47 24.07	82 20 57.73
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30 W.VA.-136 KY.
NAUGATUCK QUADRANGLE

37-082-14
6

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Naugatuck, 2.0 mi SE. of station, along N. & W. Ry.; 0.2 mi NW. of milepost N. 482; 34 ft NE. of NE. rail; at residence of Joe Davis; at W. corner of yard; in concrete post; NGS standard disk stamped "S 46 1935"

Ky. S.)	X = 2,990,696	Y = 542,651	37 46 27.83	82 19 18.33
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Naugatuck, 3.3 mi SE. of station, along N. & W. Ry.; 246 ft SW. of milepost N. 481; 16 ft S. of centerline of U.S. Highway 52; 41 ft NW. of end of picket fence; 14 ft W. of end of guard fence; in concrete post; USED standard disk stamped "T 23 A 1942" (Not found, 1960)

	X = 2,989,327	Y = 538,473	37 45 47.04	82 19 37.26
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Nolan, 1.4 mi S. of station, along N. & W. Ry.; 198 ft S. of milepost N. 479; 29 ft S. of gatepost; 28 ft E. of centerline of track; 27 ft SW. of end of guardrail; in concrete post; USED standard disk stamped "T 24 A 1942" (Not found, 1960)

	X = 2,991,456	Y = 535,354	37 45 15.46	82 19 12.17
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#30 - Naugatuck Qd.

Eull. 496, p. 122

Station: ANTHONY

County: Mingo

State: W. Va.

Observer: E. L. McNair

Year: 1909 Datum: 1927 N.A.D. by graph

Description:

On high, cleared knob between the waters of Marrow-bone and Jenny's Creeks and at the head of Neely Branch of Marrow-bone. Land is owned by Stanley Erisden. Station may be reached either from Marrow-bone or Jenny's Creeks.

Signal: A quadripod of usual form.

Station mark: A round-headed bolt set in 23 inch by 12 inch by 12 inch sandstone.

Reference marks: No. 1 is an earthenware crock set 12 inches below surface, distant 9.76 feet, true azimuth $229^{\circ}39'$. No. 2 is a chisel mark on an 8-inch by 15 inch by 2 inch sandstone set 12 inches below surface, distant 9.56 feet, true azimuth $322^{\circ}30'$.

[Latitude 37 52 44.78

Longitude 82 19 13.63]

To Station—	Azimuth			Back Azimuth			Distance	
							Log. Meters	Miles
✓ Flag	31	43	53	211	37	35	4.459507	
✓ Hurricane	55	59	18	235	52	56	4.264726	
✓ Nelson	103	08	58	282	53	38	4.57011	
✓ Runyon	276	22	08	96	26	27	3.094420	
✓ Chestnutcamp	339	34	42	159	37	17	4.247682	

Station: HURRICANE(USGS)(USC&GS)

County: Martin

State: Ky.

Observer: Ky. By Products Coal Year: 1929 Datum: 1927 N.A.D.

Description: Company
2/19/54 mcs

PUBLICATION COPY

In Martin County - On a high cleared knob on ridge between Wolf Creek and Rockcastle Creek. At head of Big Crooked Branch of Wolf Creek, Walnut Fork of Coldwater Fork of Rockcastle Creek and Hurricane Fork of Jack Cassady Branch of Coldwater.

Station Mark - U.S.G.S. aluminum triangulation (25-ft. wood tower exactly centered over station was built by C.C.C. during winter of 1935) tablet cemented 16- by 24-in. boulder set flush with ground.

Reference mark No. 1 - Cross mark on rock ledge at W. end of knob 148.94 ft. from station in true azimuth $38^{\circ}45'$

Reference mark No. 2 - Nail in root of 18-in hickory tree, 21.43 ft. from station in true azimuth $220^{\circ}36'$

Reference mark No. 3 - Nail 4 ft. above ground in 7-in. pine tree on side of knob, 34.11 ft. from station in true azimuth $336^{\circ}25'$

X = 2,940,922

Y = 545,211

DESTROYED
REMOVED
CAP 4/54
C.R. MEYERS

Mangatula

[Latitude 37 47 10.527

Longitude 82 29 36.780]

To Station—	Azimuth	Back Azimuth	Feet	Distance
	° ' "	° ' "	XXX XXXX	Miles
Maynard	16 06 05.9	196 04 52.8	34599.30	
Walnut	46 38 12.8	226 37 05.6	12127.8	
Panther	52 41 54.7	232 37 41.6	41760.21	
Hickory	65 02 23.2	244 59 04.2	28794.8	
Goble	70 49 18.5	250 45 01.2	35728.27	
Mudlick	80 36 43.4	260 33 52.1	22755.9	
Jones	94 28 35.0	274 26 19.6	17793.35	
Standifer (USGS)	96 30 59.4	276 23 53.2	56191.92	
Spring Knob	103 42 02.0	283 36 12.8	47047.38	
Handmaul	123 06 20.5	303 00 52.1	51274.00	
Saltwell	132 31 14.1	312 28 34.8	28274.15	
Preston	143 34 50.9	323 32 15.4	34253.8	
Brown	155 14 42.9	335 12 30.8	41223.1	
Turkey	170 28 08.3	350 27 17.0	40463.56	
Flatrock	173 42 53.1	353 42 27.3	3076.1	
Blankenship	175 47 19.6	355 46 44.9	61658.56	
Buck	217 00 57.9	37 03 12.8	29294.5	
Flag (USGS)	359 30 11.9	179 30 15.0	46625.05	

Station: LUCK

County: Martin

State: Kentucky

Observer: Ky. By Products Coal Year: 1929 Datum: Prelim. 1927 NAD

Description: Company

PRELIMINARY

2/18/54 mcs

PUBLICATION COPY

In Martin County - On a knob on ridge between Buck Creek and Tug River. This station is WNW. about 1 mile from mouth of Buck Creek. It may be reached by going up first right hand hollow off Buck Creek to its head and following ridge to left about 3/8 mile.

Station Mark - Houston Triangulation Survey tablet cemented in a 7- by 9- by 27-in. stone set on end and projecting 2 in. above ground.

Reference mark No. 1 - Nail 5.5 ft. above ground in 18-in. hickory tree 108.40 ft. from station in true azimuth $233^{\circ}27'$

Reference mark No. 2 - Nail in 12-in. locust stump, 11.35 ft. from station in true azimuth $293^{\circ}20'$

Reference mark No. 3 - Nail in root of 24-in. white-oak (corner tree), 30.42 ft. from station in true azimuth $343^{\circ}48'$

X = 2,957,742

Y = 569,195

Destroyed 1954
C R Myers

[Latitude 37 51 01.717

Longitude 82 25 56.900

To Station—	Azimuth	Back Azimuth	Distance	
			XXXXXX Feet	Miles
Hurricane (USGS)	37 03 12.8	217 00 57.9	29294.5	
Blankenship	149 51 00.8	329 48 11.0	44079.1	

37-45
82-25